

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081413 A1

(51) International Patent Classification⁷:

H04B 1/04

(21) International Application Number:

PCT/EP2005/050571

(22) International Filing Date: 9 February 2005 (09.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04290407.8 13 February 2004 (13.02.2004) EP

(71) Applicant (for all designated States except US): **THOMSON LICENSING S.A.** [FR/FR]; 46, quai Alphonse Le Gallo, F-92100 Boulogne (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GILBERTON, Philippe** [FR/US]; 24 Stonewall Circle, Princeton, NJ 08648 (US). **DEMOULIN, Vincent** [FR/FR]; 48, rue de Gaël, F-35160 Montfort sur Meu (FR).

(74) Agent: **KOHRS, Martin**; THOMSON, European Patent Operations, 46, quai Alphonse Le Gallo, F-92648 Boulogne (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

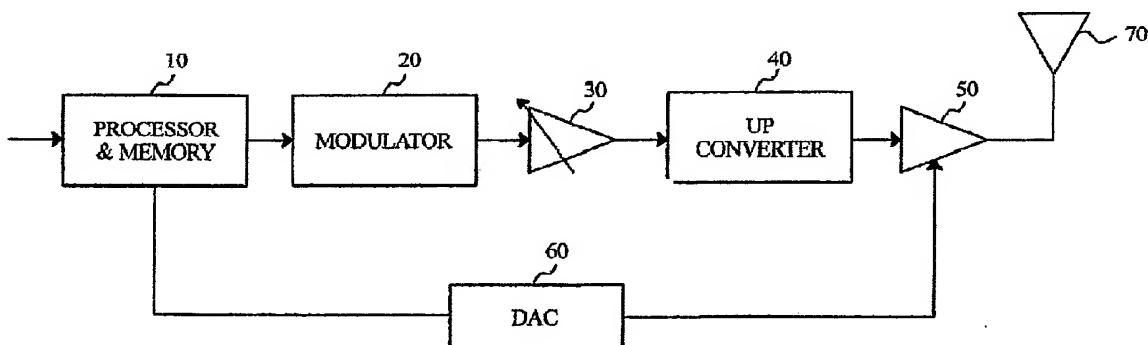
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RADIO TRANSMITTER WITH REDUCED POWER CONSUMPTION



(57) **Abstract:** A technique for controlling a transmitter apparatus (100) is useful for reducing power consumption, and may be particularly applicable to portable apparatuses such as mobile transceivers which employ a battery power supply. According to an exemplary embodiment, the transmitter apparatus (100) includes a power amplifier (50) for amplifying a transmission signal. A processor (10) controls the power amplifier (50) based on a type of digital modulation associated with the transmission signal.

WO 2005/081413 A1